

**MERCK & CO., INC. SUBSIDIARIES**  
**as of 12/31/10**

The following is a list of subsidiaries of the Company, doing business under the name stated.

| <b>Name</b>  | <b>Country or State of Incorporation</b> |
|--|--|
| Aacifar-Produtos Quimicos e Farmaceuticos, Ltda    | Portugal                                 |
| Aaciphar NV  | Belgium                                  |
| Abmaxis Inc.                                       | Delaware                                 |
| Administradora Schering Plough, S. de R.L. de C.V. | Mexico                                   |
| Aquaculture Holdings Limited                       | United Kingdom                           |
| Aquaculture Vaccines Limited                       | United Kingdom                           |
| Ark Products Limited                               | United Kingdom                           |
| AVL Holdings Limited                               | United Kingdom                           |
| Avondale Chemical Co. Limited                      | Ireland                                  |
| Banyu Pharmaceutical Co., Ltd.                     | Japan                                    |
| Beneficiadora E Industrializadora, S.A. de C.V.    | Mexico                                   |
| BioConnection B.V. <sup>1</sup>                    | Netherlands                              |
| Biometer International A/S                         | Denmark                                  |
| Brazil Holdings Ltd.                               | Bermuda                                  |
| BRC Ltd.   | Bermuda                                  |
| Burgwedel Biotech GmbH                             | Germany                                  |
| Canji, Inc.  | Delaware                                 |
| Charles E. Frosst (U.K.) Limited                   | United Kingdom                           |
| Chemibiotic (Ireland) Limited                      | Ireland                                  |
| Cherokee Pharmaceuticals LLC                       | Delaware                                 |
| Cherokee Riverside Holdings, Inc.                  | Delaware                                 |
| Chibret Pharmazeutische GmbH                       | Germany                                  |
| Cloverleaf International Holdings S.a.r.l.         | Luxembourg                               |
| Comsort, Inc.                                      | Delaware                                 |
| Coopers Animal Health Limited                      | United Kingdom                           |
| Coopers Saude Animal Industria e Comercio Ltda.    | Brazil                                   |
| Coopers Uruguay S.A.                               | Uruguay                                  |
| Coopers Veterinary Products (Proprietary) Limited  | South Africa                             |
| Cosmas B.V.  | Netherlands                              |
| Crosswinds B.V.                                    | Netherlands                              |
| Dashtag  | United Kingdom                           |
| Desarrollos Farmaceuticos Y Cosmeticos, S.A.       | Spain                                    |
| Dieckmann Arzneimittel GmbH                        | Germany                                  |
| Diosynth Apeldoorn B.V.                            | Netherlands                              |
| Diosynth France S.A.                               | France                                   |
| Diosynth Holding B.V.                              | Netherlands                              |
| Diosynth International B.V.                        | Netherlands                              |
| Diosynth Ltd                                       | United Kingdom                           |
| Diosynth Produtos Farno-quimicos Ltda.             | Brazil                                   |
| Diosynth RTP Inc.                                  | Delaware                                 |
| Distireti S.A.                                     | France                                   |
| DJT Partners, L.P.                                 | Delaware                                 |
| DNAX Research, Inc.                                | California                               |
| Douglas Industries, Inc.                           | Delaware                                 |
| Essex Asia Limited                                 | Hong Kong                                |
| Essex Beteiligungs GmbH & Co KG                    | Germany                                  |
| Essex Chemie AG                                    | Switzerland                              |

| Name   | Country or State of Incorporation |
|--|-----------------------------------|
| Essex Farmaceutica Portuguesa, Lda.                      | Portugal                          |
| Essex Farmaceutica, S.A.                                 | Colombia                          |
| Essex Holding GmbH                                       | Germany                           |
| Essex Italia S.p.A.                                      | Italy                             |
| Essex Pharma Arzneimittel GmbH                           | Germany                           |
| Essex Pharma Development GmbH                            | Germany                           |
| Essex Pharma Distributions GmbH                          | Germany                           |
| Essex Pharma GmbH  | Germany                           |
| Essex Pharma Unterstuetzungs GmbH                        | Germany                           |
| Essex Pharma Vertriebs GmbH                              | Germany                           |
| Essex Pharmaceuticals, Inc.                              | Philippines                       |
| Essexfarm, S.A.  | Ecuador                           |
| European Insurance Risk Excess Limited                   | Ireland                           |
| Farmaas B.V.   | Netherlands                       |
| Farmaceutica Essex S.A.                                  | Spain                             |
| Farmaceutici Gellini S.r.l.                              | Italy                             |
| Farmacox-Companhia Farmaceutica, Lda                     | Portugal                          |
| Farmasix-Produtos Farmaceuticos, Lda                     | Portugal                          |
| Financiere MSD S.A.S.                                    | France                            |
| Fontelabor-Produtos Farmaceuticos, Lda.                  | Portugal                          |
| Frosst Iberica, S.A.                                     | Spain                             |
| Frosst Laboratories, Inc.                                | Delaware                          |
| Frosst Portuguesa — Produtos Farmaceuticos, Lda.         | Portugal                          |
| Fulford (India) Limited <sup>1</sup>                     | India                             |
| Garden Insurance Company, Ltd.                           | Bermuda                           |
| Global Animal Management, Inc.                           | Delaware                          |
| Global Farm S.A. <sup>1</sup>                            | Argentina                         |
| GlycoFi, Inc.  | Delaware                          |
| Hangzhou MSD Pharmaceutical Company Limited <sup>1</sup> | China                             |
| Hawk and Falcon L.L.C.                                   | Delaware                          |
| Heptafarma Companhia Farmaceutica, Lda.                  | Portugal                          |
| Hoechst Roussel Vet de Bolivia Ltda                      | Bolivia                           |
| Horus B.V.   | Netherlands                       |
| Hydrochemie GmbH   | Germany                           |
| International Indemnity Ltd.                             | Bermuda                           |
| Intervet   | France                            |
| Intervet (Hong Kong) Ltd                                 | Hong Kong                         |
| Intervet (Ireland) Limited                               | Ireland                           |
| Intervet (Israel) Ltd.                                   | Israel                            |
| Intervet (M) Sdn Bhd                                     | Malaysia                          |
| Intervet (Pty) Ltd                                       | South Africa                      |
| Intervet (Thailand) Ltd.                                 | Thailand                          |
| Intervet AB  | Sweden                            |
| Intervet Agencies B.V.                                   | Netherlands                       |
| Intervet Animal Health Taiwan Limited                    | Taiwan (Republic of China)        |
| Intervet Argentina S.A.                                  | Argentina                         |
| Intervet Australia Pty Ltd                               | Australia                         |
| Intervet Belgium NV                                      | Belgium                           |
| Intervet Bulgaria EOOD                                   | Bulgaria                          |
| Intervet Canada Corp.                                    | Canada                            |
| Intervet Central America Srl                             | Panama                            |
| Intervet Colombia Ltda                                   | Colombia                          |
| Intervet Denmark A/S                                     | Denmark                           |

| Name  | Country or State of Incorporation |
|---|-----------------------------------|
| Intervet Deutschland GmbH   | Germany                           |
| Intervet do Brasil Veterinaria Ltda                                     | Brazil                            |
| Intervet Ecuador S.A.   | Ecuador                           |
| Intervet Egypt for Animal Health SAE                                    | Egypt                             |
| Intervet Friesoythe GmbH  | Germany                           |
| Intervet GesmbH   | Austria                           |
| Intervet Hellas A.E.  | Greece                            |
| Intervet Holding B.V.   | Netherlands                       |
| Intervet Holding Costa Rica SA  | Costa Rica                        |
| Intervet Holding Iberia, S.L.   | Spain                             |
| Intervet Holdings France  | France                            |
| Intervet Hungaria Kft   | Hungary                           |
| Intervet Inc.   | Delaware                          |
| Intervet India Pvt. Ltd   | India                             |
| Intervet Innovation GmbH  | Germany                           |
| Intervet International  | France                            |
| Intervet International B.V.   | Netherlands                       |
| Intervet International GmbH   | Germany                           |
| Intervet Italia S.r.l.  | Italy                             |
| Intervet K.K.   | Japan                             |
| Intervet Korea Ltd.   | Korea, Republic of                |
| Intervet Maroc  | Morocco                           |
| Intervet Mexico S.A. de C.V.  | Mexico                            |
| Intervet Middle East Ltd  | Cyprus                            |
| Intervet Nederland B.V.   | Netherlands                       |
| Intervet Norbio A.S.  | Norway                            |
| Intervet Norbio Singapore Pte Ltd                                       | Singapore                         |
| Intervet Norge AS   | Norway                            |
| Intervet OOO  | Russian Federation                |
| Intervet Oy   | Finland                           |
| Intervet Pharma R & D   | France                            |
| Intervet Philippines Inc  | Philippines                       |
| Intervet Portugal — Saúde Animal, Lda                                   | Portugal                          |
| Intervet Productions  | France                            |
| Intervet Productions Srl  | Italy                             |
| Intervet Pte. Ltd.  | Singapore                         |
| Intervet Romania SRL  | Romania                           |
| Intervet Rural Co Pty Ltd   | Australia                         |
| Intervet S.R.O. (Czech Rep)   | Czech Republic                    |
| Intervet SA   | Peru                              |
| Intervet Schering-Plough Animal Health Pty Ltd                          | Australia                         |
| Intervet South Africa (Pty) Limited                                     | South Africa                      |
| Intervet Sp. z o.o.   | Poland                            |
| Intervet UK Ltd   | United Kingdom                    |
| Intervet UK Production Ltd  | United Kingdom                    |
| Intervet Venezolana SA  | Venezuela                         |
| Intervet Veterinaria Chile Ltda   | Chile                             |
| Intervet Veteriner Ilacлари Pazarlama ve Ticaret Ltd. Sirketi           | Turkey                            |
| Intervet Vietnam Ltd.   | Vietnam                           |
| Interveterinaria SA de CV   | Mexico                            |
| Istituto Di Recherche Di Biologia Molecolare S.p.A.                     | Italy                             |
| Johnson & Johnson — Merck Consumer Pharmaceuticals Company <sup>1</sup> | New Jersey                        |
| Johnson & Johnson Consumer Pharma of Canada <sup>1</sup>                | Canada                            |
| KBI Inc.  | Delaware                          |

| Name  | Country or State of Incorporation |
|---|-----------------------------------|
| KBI Sub Inc.                                    | Delaware                          |
| KBI-E Inc.                                      | Delaware                          |
| KBI-P Inc.                                      | Delaware                          |
| Key Pharma AG                                   | Switzerland                       |
| Key Pharma, S.A.                                | Spain                             |
| Key Pharmaceuticals, Inc.                       | Florida                           |
| Kirby Medical Products Cia. Ltda.               | Chile                             |
| Kirby Pharmaceuticals, S.A.                     | Spain                             |
| Kirby-Warrick Pharmaceuticals Limited           | United Kingdom                    |
| Laboratoires Merck Sharp & Dohme-Chibret SNC    | France                            |
| Laboratorios Abello, S.A.                       | Spain                             |
| Laboratorios Biopat, S.A.                       | Spain                             |
| Laboratorios Chibret, S.A.                      | Spain                             |
| Laboratorios Essex C.A.                         | Venezuela                         |
| Laboratorios Essex S.A.                         | Argentina                         |
| Laboratorios Frosst, S.A.                       | Spain                             |
| Laboratorios Intervet S.A.                      | Spain                             |
| Laboratorios Neurogard, S.A.                    | Spain                             |
| Laboratorios Organon S.A. de C.V.               | Mexico                            |
| Laboratorios Quimico-Farmacuticos Chibret, Lda. | Portugal                          |
| Laboratorio's S.P. White's C.A.                 | Venezuela                         |
| Livestock Nutrition Technologies Pty Ltd        | Australia                         |
| Loftus Bryan Chemicals Limited                  | Ireland                           |
| LOSPAR Partnership <sup>1</sup>                 | Delaware                          |
| Maple Leaf Holdings SRL                         | Barbados                          |
| Matsuken Yakuhin Kogyo K.K. <sup>1</sup>        | Japan                             |
| Maya Tibbi Urunler Ticaret A.S.                 | Turkey                            |
| MCM Vaccine Co. <sup>1</sup>                    | Pennsylvania                      |
| MedAdvisor, Inc.                                | Delaware                          |
| Med-Nim (Proprietary) Limited                   | South Africa                      |
| Merck and Company, Incorporated                 | Delaware                          |
| Merck Capital Ventures, LLC <sup>1</sup>        | Delaware                          |
| Merck Cardiovascular Health Company             | Nevada                            |
| Merck Frosst — Schering Pharma G.P.             | Canada                            |
| Merck Frosst Canada Ltd.                        | Canada                            |
| Merck Frosst Company                            | Canada                            |
| Merck Frosst Finco LP                           | Canada                            |
| Merck Global Health Innovation Fund, LLC        | Delaware                          |
| Merck HDAC Research, LLC                        | Delaware                          |
| Merck Holdings II Corp.                         | Delaware                          |
| Merck Holdings LLC                              | Delaware                          |
| Merck Respiratory Health Company                | Nevada                            |
| Merck Retail Ventures, Inc.                     | Delaware                          |
| Merck SH Inc.                                   | Delaware                          |
| Merck Sharp & Dohme (Argentina) Inc.            | Delaware                          |
| Merck Sharp & Dohme (Asia) Limited              | Hong Kong                         |
| Merck Sharp & Dohme (Australia) Pty. Limited    | Australia                         |
| Merck Sharp & Dohme (China) Limited             | Hong Kong                         |
| Merck Sharp & Dohme (Enterprises) B.V.          | Netherlands                       |
| Merck Sharp & Dohme (Europe) Inc.               | Delaware                          |
| Merck Sharp & Dohme (Holdings) B.V.             | Netherlands                       |

| Name   | Country or State of Incorporation |
|--|-----------------------------------|
| Merck Sharp & Dohme (Holdings) Limited                                       | United Kingdom                    |
| Merck Sharp & Dohme (I.A.) Corp.   | Delaware                          |
| Merck Sharp & Dohme (International) Limited                                  | Bermuda                           |
| Merck Sharp & Dohme (Investments) B.V.                                       | Netherlands                       |
| Merck Sharp & Dohme (Ireland) Ltd.   | Bermuda                           |
| Merck Sharp & Dohme (Israel — 1996) Company Ltd.                             | Israel                            |
| Merck Sharp & Dohme (Italia) S.p.A.  | Italy                             |
| Merck Sharp & Dohme (New Zealand) Limited                                    | New Zealand                       |
| Merck Sharp & Dohme (Puerto Rico) Ltd.                                       | Bermuda                           |
| Merck Sharp & Dohme (Singapore) Ltd.   | Bermuda                           |
| Merck Sharp & Dohme (Sweden) A.B.  | Sweden                            |
| Merck Sharp & Dohme (Switzerland) GmbH                                       | Switzerland                       |
| Merck Sharp & Dohme Asia Pacific Services Pte. Ltd.                          | Singapore                         |
| Merck Sharp & Dohme B.V.   | Netherlands                       |
| Merck Sharp & Dohme BH d.o.o.  | Bosnia                            |
| Merck Sharp & Dohme Biologics (Ireland) Ltd.                                 | Bermuda                           |
| Merck Sharp & Dohme Bulgaria EOOD  | Bulgaria                          |
| Merck Sharp & Dohme Chibret A.G.   | Switzerland                       |
| Merck Sharp & Dohme Comercializadora, S. de R.L. de C.V.                     | Mexico                            |
| Merck Sharp & Dohme Corp.  | New Jersey                        |
| Merck Sharp & Dohme Cyprus Limited   | Cyprus                            |
| Merck Sharp & Dohme d.o.o.   | Croatia                           |
| Merck Sharp & Dohme de Espana, S.A.  | Spain                             |
| Merck Sharp & Dohme de Mexico S.A. de C.V.                                   | Mexico                            |
| Merck Sharp & Dohme de Puerto Rico, Inc.                                     | Delaware                          |
| Merck Sharp & Dohme de Venezuela S.R.L.                                      | Venezuela                         |
| Merck Sharp & Dohme Farmaceutica Ltda.                                       | Brazil                            |
| Merck Sharp & Dohme Finance Europe Limited                                   | United Kingdom                    |
| Merck Sharp & Dohme Gesellschaft m.b.H.                                      | Austria                           |
| Merck Sharp & Dohme IDEA AG  | Switzerland                       |
| Merck Sharp & Dohme Industria Quimica e Veterinaria Limitada                 | Brazil                            |
| Merck Sharp & Dohme inovativna zdravila d.o.o.                               | Slovenia                          |
| Merck Sharp & Dohme International Services B.V.                              | Netherlands                       |
| Merck Sharp & Dohme Ireland (Human Health) Ltd                               | Ireland                           |
| Merck Sharp & Dohme Island hf  | Iceland                           |
| Merck Sharp & Dohme Japan Co., Ltd.  | Japan                             |
| Merck Sharp & Dohme Limited  | United Kingdom                    |
| Merck Sharp & Dohme Manufacturing  | Ireland                           |
| Merck Sharp & Dohme Manufacturing Holdings                                   | Bermuda                           |
| Merck Sharp & Dohme OU   | Estonia                           |
| Merck Sharp & Dohme Peru SRL   | Peru                              |
| Merck Sharp & Dohme Pharmaceutical Industrial and Commercial Societe Anonyme | Greece                            |
| Merck Sharp & Dohme Pharmaceuticals LLC                                      | Russia                            |
| Merck Sharp & Dohme Pharmaceuticals SRL                                      | Barbados                          |
| Merck Sharp & Dohme Quimica de Puerto Rico, Inc.                             | Delaware                          |
| Merck Sharp & Dohme Research Ltd.  | Bermuda                           |
| Merck Sharp & Dohme Romania SRL  | Romania                           |
| Merck Sharp & Dohme S. de R.L. de C.V.                                       | Mexico                            |

| Name   | Country or State of Incorporation |
|--|-----------------------------------|
| Merck Sharp & Dohme S.A.                             | Morocco                           |
| Merck Sharp & Dohme SIA                              | Latvia                            |
| Merck Sharp & Dohme Singapore Trading Pte. Ltd.      | Singapore                         |
| Merck Sharp & Dohme Tunisie Sarl                     | Tunisia                           |
| Merck Sharp & Dohme, Limitada                        | Portugal                          |
| Merck Sharp Dohme Ilaclari Limited Sirketi           | Turkey                            |
| Merck Technology (U.S.) Company, Inc.                | Nevada                            |
| ML Holdings (Canada) Inc.                            | Canada                            |
| MSD (Italia) S.p.A.                                  | Italy                             |
| MSD (Italia) s.r.l.                                  | Italy                             |
| MSD (Nippon Holdings) BV                             | Netherlands                       |
| MSD (Norge) A/S                                      | Norway                            |
| MSD (Proprietary) Limited                            | South Africa                      |
| MSD (Shanghai) Pharmaceuticals Consultancy Co., Ltd. | China                             |
| MSD (Thailand) Ltd.                                  | Thailand                          |
| MSD Australia Superannuation Pty Ltd.                | Australia                         |
| MSD Beteiligungs GmbH & Co KG                        | Germany                           |
| MSD Biologics (UK) Ltd.                              | United Kingdom                    |
| MSD Brazil (Investments) B.V.                        | Netherlands                       |
| MSD Chibropharm GmbH                                 | Germany                           |
| MSD China (Investments) B.V.                         | Netherlands                       |
| MSD Consumer Health Care Limited                     | United Kingdom                    |
| MSD EIC  | Ireland                           |
| MSD Eurofinance L.P.                                 | Bermuda                           |
| MSD Finance B.V.                                     | Netherlands                       |
| MSD Finland Oy                                       | Finland                           |
| MSD Holdings G.K.                                    | Japan                             |
| MSD Holdings GmbH                                    | Germany                           |
| MSD International (Holdings) B.V.                    | Netherlands                       |
| MSD International GmbH                               | Switzerland                       |
| MSD International Holdings, Inc.                     | Delaware                          |
| MSD Investment Holdings (Ireland)                    | Ireland                           |
| MSD Investments (Holdings) GmbH                      | Switzerland                       |
| MSD Ireland (Holdings) S.a.r.l.                      | Luxembourg                        |
| MSD Italy Holdings B.V.                              | Netherlands                       |
| MSD K.K.   | Japan                             |
| MSD Korea Ltd.                                       | Korea                             |
| MSD Laboratories India LLC                           | Delaware                          |
| MSD Latin America Services S. de R.L. de C.V.        | Mexico                            |
| MSD Limited  | United Kingdom                    |
| MSD Luxembourg S.a.r.l.                              | Netherlands                       |
| MSD Magyarország Kereskedelmi és Szolgáltató Kft     | Hungary                           |
| MSD Mexico (Investments) B.V.                        | Netherlands                       |
| MSD Netherlands (Holding) B.V.                       | Netherlands                       |
| MSD Overseas Manufacturing Co (Ireland)              | Ireland                           |
| MSD Overseas Manufacturing Co.                       | Bermuda                           |
| MSD Pharmaceuticals Holdings                         | Ireland                           |
| MSD Pharmaceuticals Ireland                          | Ireland                           |
| MSD Pharmaceuticals LLC                              | Russian Federation                |

| Name  | Country or State of Incorporation |
|---|-----------------------------------|
| MSD Pharmaceuticals Private Limited                 | India                             |
| MSD Polska Sp.z.o.o.                                | Poland                            |
| MSD Regional Business Support Center GmbH           | Germany                           |
| MSD Shared Business Services EMEA Limited           | Ireland                           |
| MSD Sharp & Dohme GmbH                              | Germany                           |
| MSD Stamford Singapore Pte Ltd                      | Singapore                         |
| MSD Technology Singapore Pte. Ltd.                  | Singapore                         |
| MSD Tuas Singapore Pte. Ltd.                        | Singapore                         |
| MSD Unterstützungskasse GmbH                        | Germany                           |
| MSD Venezuela Holding GmbH                          | Switzerland                       |
| MSD Ventures (Ireland)                              | Ireland                           |
| MSD Ventures Singapore Pte. Ltd.                    | Singapore                         |
| MSD Verwaltungs GmbH                                | Germany                           |
| MSD Vostok B.V.                                     | Netherlands                       |
| MSD-Essex GmbH                                      | Switzerland                       |
| MSD-SP Ltd.   | United Kingdom                    |
| MSP Distribution Services (C) LLC                   | Nevada                            |
| MSP Singapore Company, LLC                          | Delaware                          |
| MSP Technology (U.S.) Company, LLC                  | Delaware                          |
| Multilan AG   | Switzerland                       |
| Mycofarm International B.V.                         | Netherlands                       |
| Mycofarm Nederland B.V.                             | Netherlands                       |
| Mycofarm UK Ltd                                     | United Kingdom                    |
| N.V. Organon  | Netherlands                       |
| Nanjing Organon Pharmaceutical Co., Ltd.            | China                             |
| Neopharmed s.r.l.                                   | Italy                             |
| Nobilon International B.V.                          | Netherlands                       |
| Nourifarma-Produtos Quimicos e Farmaceuticos Lda    | Portugal                          |
| Nourypharma Ltd                                     | Ireland                           |
| Nourypharma Ltd                                     | United Kingdom                    |
| Nourypharma Nederland B.V.                          | Netherlands                       |
| NovaCardia, Inc.                                    | Delaware                          |
| OBS Holdings B.V.                                   | Netherlands                       |
| Orgachemia B.V.                                     | Netherlands                       |
| Orgachemia Nigeria Ltd <sup>1</sup>                 | Nigeria                           |
| Orgachemia Pharmaceuticals Nigeria Ltd <sup>1</sup> | Nigeria                           |
| Organon (Australia) Pty Ltd                         | Australia                         |
| Organon (Hong Kong) Ltd                             | Hong Kong                         |
| Organon (India) Ltd <sup>1</sup>                    | India                             |
| Organon (Ireland) Ltd                               | Ireland                           |
| Organon (Malaysia) Sdn. Bhd.                        | Malaysia                          |
| Organon (Philippines) Inc.                          | Philippines                       |
| Organon (Singapore) Pte Ltd.                        | Singapore                         |
| Organon Agencies B.V.                               | Netherlands                       |
| Organon API Inc.                                    | Delaware                          |
| Organon Argentina S.A.Q.I. & C.                     | Argentina                         |
| Organon Asia Pacific Sdn.Bhd.                       | Malaysia                          |
| Organon BioSciences B.V.                            | Netherlands                       |
| Organon BioSciences International B.V.              | Netherlands                       |
| Organon BioSciences Nederland B.V.                  | Netherlands                       |
| Organon BioSciences Reinsurance Limited             | Ireland                           |
| Organon BioSciences Ventures B.V.                   | Netherlands                       |

| Name   | Country or State of Incorporation |
|--|-----------------------------------|
| Organon China B.V.   | Netherlands                       |
| Organon de Colombia Ltda   | Colombia                          |
| Organon Dominicana SA  | Dominican Republic                |
| Organon Egypt Ltd  | Egypt                             |
| Organon Europe B.V.  | Netherlands                       |
| Organon GmbH   | Germany                           |
| Organon Holding B.V.   | Netherlands                       |
| Organon Hungary Kereskedelmi Kft/Org. Hungary Trading Ltd                  | Hungary                           |
| Organon International B.V.   | Netherlands                       |
| Organon International Inc.   | Delaware                          |
| Organon Italia S.p.A.  | Italy                             |
| Organon Laboratories Ltd   | United Kingdom                    |
| Organon Latin America S.A.   | Uruguay                           |
| Organon Middle East Ltd. Cyprus  | Cyprus                            |
| Organon Middle East S.A.L. (Lebanon)                                       | Lebanon                           |
| Organon Participations B.V.  | Netherlands                       |
| Organon Pharmaceuticals USA Inc. LLC                                       | Delaware                          |
| Organon Portuguesa Produtos Quimicos E Farmaceuticos Ltda                  | Portugal                          |
| Organon Slovakia spol. s.r.o.  | Slovakia                          |
| Organon Teknika Corporation LLC  | Delaware                          |
| Organon Teknika Holding B.V.   | Netherlands                       |
| Organon Teknika NV   | Belgium                           |
| Organon USA Inc.   | New Jersey                        |
| P.T. Merck Sharp & Dohme Indonesia   | Indonesia                         |
| Pasteur Vaccins S.A. <sup>1</sup>  | France                            |
| Pharmaceutical Supply Corporation  | Delaware                          |
| Pharmaco Canada Inc.   | Canada                            |
| Pitman Moore Saude Animal Comercio e Distribuicao de Produtos Veterinarios | Brazil                            |
| Plough (Australia) Pty. Limited  | Australia                         |
| Plough (U.K.) Limited  | United Kingdom                    |
| Plough Consumer Products (Asia) Ltd.                                       | Hong Kong                         |
| Plough de Venezuela C.A.   | Venezuela                         |
| Plough Farma, Lda.   | Portugal                          |
| Plough Hellas EPE  | Greece                            |
| Protein Transaction, LLC   | Delaware                          |
| PT Intervet Indonesia  | Indonesia                         |
| PT Organon Indonesia   | Indonesia                         |
| PT Schering-Plough Indonesia Tbk. <sup>1</sup>                             | Indonesia                         |
| Rosetta Biosoftware UK Limited   | United Kingdom                    |
| Rosetta Inpharmatics LLC   | Delaware                          |
| Sanofi Pasteur MSD A/S <sup>1</sup>  | Denmark                           |
| Sanofi Pasteur MSD AB <sup>1</sup>   | Sweden                            |
| Sanofi Pasteur MSD AG <sup>1</sup>   | Switzerland                       |
| Sanofi Pasteur MSD ApS <sup>1</sup>  | Denmark                           |
| Sanofi Pasteur MSD AS <sup>1</sup>   | Norway                            |
| Sanofi Pasteur MSD Gestion S.A. <sup>1</sup>                               | France                            |
| Sanofi Pasteur MSD GmbH <sup>1</sup>                                       | Austria                           |
| Sanofi Pasteur MSD GmbH <sup>1</sup>                                       | Germany                           |
| Sanofi Pasteur MSD Ltd. <sup>1</sup>                                       | United Kingdom                    |
| Sanofi Pasteur MSD Ltd. <sup>1</sup>                                       | Ireland                           |
| Sanofi Pasteur MSD N.V./S.A. <sup>1</sup>                                  | Belgium                           |
| Sanofi Pasteur MSD Oy <sup>1</sup>   | Finland                           |

| Name  | Country or State of Incorporation |
|---|-----------------------------------|
| Sanofi Pasteur MSD S.A. <sup>1</sup>                  | Portugal                          |
| Sanofi Pasteur MSD S.A. <sup>1</sup>                  | Spain                             |
| Sanofi Pasteur MSD S.p.A. <sup>1</sup>                | Italy                             |
| Sanofi Pasteur MSD SNC <sup>1</sup>                   | France                            |
| Schering Bermuda Ltd.                                 | Bermuda                           |
| Schering Corporation                                  | New Jersey                        |
| Schering Holdings Mexico, S. de R.L. de C.V.          | Mexico                            |
| Schering Laboratories Advertising, Inc.               | Delaware                          |
| Schering Mexico, S. de R.L. de C.V.                   | Mexico                            |
| Schering MyHealth Solutions, Inc.                     | Delaware                          |
| Schering-Plough                                       | France                            |
| Schering-Plough (Bray)                                | Ireland                           |
| Schering-Plough (China) Limited                       | Bermuda                           |
| Schering-Plough (India) Private Limited               | India                             |
| Schering-Plough (Ireland) Company                     | Ireland                           |
| Schering-Plough (Proprietary) Limited                 | South Africa                      |
| Schering-Plough (Shanghai) Trading Co., Ltd.          | China                             |
| Schering-Plough (Singapore) Pte. Ltd.                 | Singapore                         |
| Schering-Plough (Singapore) Research Pte. Ltd.        | Singapore                         |
| Schering-Plough A/S                                   | Denmark                           |
| Schering-Plough A/S                                   | Norway                            |
| Schering-Plough Animal Health Limited                 | Ireland                           |
| Schering-Plough Animal Health Limited                 | New Zealand                       |
| Schering-Plough Animal Health Operations Sdn Bhd      | Malaysia                          |
| Schering-Plough Animal Health SA                      | Uruguay                           |
| Schering-Plough Animal Health Sdn Bhd                 | Malaysia                          |
| Schering-Plough Animal Health, Inc.                   | Philippines                       |
| Schering-Plough Bermuda Ltd.                          | Bermuda                           |
| Schering-Plough Biopharma Corporation                 | New Jersey                        |
| Schering-Plough C.A.                                  | Venezuela                         |
| Schering-Plough Canada Inc.                           | Canada                            |
| Schering-Plough Central East AG                       | Switzerland                       |
| Schering-Plough Clinical Trials, S.E.                 | United Kingdom                    |
| Schering-Plough Compania Limitada                     | Chile                             |
| Schering-Plough Coordination Center NV                | Belgium                           |
| Schering-Plough Corporation                           | Philippines                       |
| Schering-Plough Corporation, U.S.A.                   | Delaware                          |
| Schering-Plough d.o.o.                                | Croatia                           |
| Schering-Plough del Caribe, Inc.                      | New Jersey                        |
| Schering-Plough del Ecuador, S.A.                     | Ecuador                           |
| Schering-Plough del Peru S.A.                         | Peru                              |
| Schering-Plough Exports PTY Limited                   | Australia                         |
| Schering-Plough Farma, Lda                            | Portugal                          |
| Schering-Plough Farmaceutica Ltda.                    | Brazil                            |
| Schering-Plough HealthCare Products, Inc.             | Delaware                          |
| Schering-Plough Holdings (Ireland) Company            | Ireland                           |
| Schering-Plough Holdings France                       | France                            |
| Schering-Plough Holdings Limited                      | United Kingdom                    |
| Schering-Plough Hungary Korlatolt Felcsosegu Tarsasag | Hungary                           |
| Schering-Plough Indústria Farmacêutica Ltda.          | Brazil                            |
| Schering-Plough Int Limited                           | United Kingdom                    |
| Schering-Plough International C.V.                    | Netherlands                       |
| Schering-Plough International Finance Company B.V.    | Netherlands                       |
| Schering-Plough International Holdings B.V.           | Netherlands                       |

| Name   | Country or State of Incorporation |
|--|-----------------------------------|
| Schering-Plough International LLC                      | Delaware                          |
| Schering-Plough International, Inc.                    | Delaware                          |
| Schering-Plough Investment Co., Inc.                   | Delaware                          |
| Schering-Plough Investments Cayman Ltd.                | Cayman Islands                    |
| Schering-Plough Investments Company GmbH               | Switzerland                       |
| Schering-Plough Investments Ltd.                       | Delaware                          |
| Schering-Plough Israel AG                              | Switzerland                       |
| Schering-Plough Korea                                  | Korea, Republic of                |
| Schering-Plough Labo NV                                | Belgium                           |
| Schering-Plough Legislative Resources L.L.C.           | Delaware                          |
| Schering-Plough Limited                                | Taiwan (Republic of China)        |
| Schering-Plough Limited (UK)                           | United Kingdom                    |
| Schering-Plough Limited C.V.                           | Netherlands                       |
| Schering-Plough Ltd.                                   | Switzerland                       |
| Schering-Plough Ltd.                                   | Thailand                          |
| Schering-Plough Luxembourg S.a.r.L.                    | Luxembourg                        |
| Schering-Plough Nederland B.V.                         | Netherlands                       |
| Schering-Plough NV                                     | Belgium                           |
| Schering-Plough OY                                     | Finland                           |
| Schering-Plough Pensions Ireland Limited               | Ireland                           |
| Schering-Plough Pharmaceuticals (Ireland) Limited      | Ireland                           |
| Schering-Plough Polska Sp. z o.o. LLC                  | Poland                            |
| Schering-Plough Products Caribe, Inc.                  | Cayman Islands                    |
| Schering-Plough Products, Inc.                         | Delaware                          |
| Schering-Plough Products, L.L.C.                       | Delaware                          |
| Schering-Plough Produtos de Oncologia, Unipessoal Lda. | Portugal                          |
| Schering-Plough Produtos de Virologia, Unipessoal Lda. | Portugal                          |
| Schering-Plough Produtos Hospitalares, Unipessoal Lda. | Portugal                          |
| Schering-Plough Pty. Limited                           | Australia                         |
| Schering-Plough Real Estate Co., Inc.                  | Delaware                          |
| Schering-Plough S.A.                                   | Colombia                          |
| Schering-Plough S.A.                                   | Panama                            |
| Schering-Plough S.A.                                   | Paraguay                          |
| Schering-Plough S.A.                                   | Spain                             |
| Schering-Plough S.A.                                   | Uruguay                           |
| Schering-Plough S.A. de C.V.                           | Mexico                            |
| Schering-Plough S.A. <sup>1</sup>                      | Argentina                         |
| Schering-Plough S.p.A.                                 | Italy                             |
| Schering-Plough s.r.o.                                 | Czech Republic                    |
| Schering-Plough S.r.o. (Slovakia)                      | Slovakia                          |
| Schering-Plough Sante Animale                          | France                            |
| Schering-Plough Sdn. Bhd.                              | Malaysia                          |
| Schering-Plough Superannuation Pty. Limited            | Australia                         |
| Schering-Plough Technologies Pte. Ltd.                 | Singapore                         |
| Schering-Plough Tibbi Urunler Ticaret Anonim Sirketi   | Turkey                            |
| Schering-Plough Veterinary Limited                     | Thailand                          |
| Schering-Plough, UAB                                   | Lithuania                         |
| Sentipharms AG   | Switzerland                       |
| Shanghai Schering-Plough Pharmaceutical Co., Ltd.      | China                             |
| Sharp & Dohme, S.A.                                    | Spain                             |
| Sinova AG <sup>1</sup>                                 | Switzerland                       |
| Sirna Therapeutics, Inc.                               | Delaware                          |
| Smart Cells, Inc.                                      | Delaware                          |
| SOL Limited  | Bermuda                           |

| Name  | Country or State of Incorporation |
|---|-----------------------------------|
| South Egypt Drug Industries Co. (Sedico) <sup>1</sup> | Egypt                             |
| S-P Bermuda   | Bermuda                           |
| SP Biotech, S.A.                                      | Spain                             |
| SP Blue LEI 2010, S.L.                                | Spain                             |
| SP Flight Operations, Inc.                            | Delaware                          |
| SP Human Health (2010) Limited                        | United Kingdom                    |
| SP Maroc S.a.r.L.                                     | Morocco                           |
| SP Products Cayman Co.                                | Cayman Islands                    |
| S-P Ril Ltd.  | United Kingdom                    |
| S-P Veterinary (UK) Limited                           | United Kingdom                    |
| S-P Veterinary Holdings Limited                       | United Kingdom                    |
| S-P Veterinary Limited                                | United Kingdom                    |
| S-P Veterinary Pensions Limited                       | United Kingdom                    |
| Tasman Vaccine Laboratory (UK) Ltd                    | United Kingdom                    |
| Technobiotic Limited                                  | Australia                         |
| TELERx Marketing Inc.                                 | Pennsylvania                      |
| Terimas S.r.l.  | Italy                             |
| The Coppertone Corporation                            | Florida                           |
| The MSD Foundation Limited                            | United Kingdom                    |
| The Summit Property Company, L.L.C.                   | Delaware                          |
| Theriak B.V.  | Netherlands                       |
| Thomas Morson & Son Limited                           | United Kingdom                    |
| Transrow Manufacturing Ltd.                           | Bermuda                           |
| UAB "Organon"   | Lithuania                         |
| UAB Merck Sharp & Dohme                               | Lithuania                         |
| Undra, S.A. de C.V.                                   | Mexico                            |
| UNICET  | France                            |
| Variopharm Arzneimittel GmbH                          | Germany                           |
| VCF Inc.  | Delaware                          |
| Venco Holding GmbH                                    | Switzerland                       |
| Vereinigde Chemische Fabrieken B.V.                   | Netherlands                       |
| VetInvent, LLC  | Delaware                          |
| Vet Pharma Fiesoythe GmbH                             | Germany                           |
| Veterinaria AG  | Switzerland                       |
| Vetrex B.V.   | Netherlands                       |
| Vetrex Egypt L.L.C.                                   | Egypt                             |
| Vetrex Limited  | United Kingdom                    |
| Warrick Pharmaceuticals Corporation                   | Delaware                          |
| Wertheinstein Biopharma GmbH                          | Switzerland                       |
| White Laboratories of Canada Limited                  | Canada                            |
| White Laboratories, Inc.                              | New Jersey                        |
| Zao Organon A/O                                       | Russian Federation                |
| Zoöpharm B.V.   | Netherlands                       |

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<sup>1</sup> own less than 100%

**MERCK & CO., INC.**

**CERTIFICATION**

I, Katie E. Fedosz, Senior Assistant Secretary of Merck & Co., Inc. (the "Company"), a corporation duly organized and existing under the laws of the State of New Jersey, United States of America, do hereby certify that the attached, presently in full force and effect, is a true and correct copy of General Corporate Resolution #5, Patent Matters, as amended and readopted on February 22, 2011 by the Board of Directors of said Company at a meeting thereof duly called and held on February 22, 2011 at which a quorum of Directors was present.

IN WITNESS WHEREOF, I have hereunto subscribed my signature and affixed the seal of the Company this 1<sup>st</sup> day of March 2011.

  
Senior Assistant Secretary

(SEAL)

United States of America)  
State of New Jersey ) SS  
County of Hunterdon )

Subscribed and sworn to before me on this 1<sup>st</sup> day of March 2011.

  
Notary Public

**SANDRA MARIE McFADDEN  
NOTARY PUBLIC, STATE OF NEW JERSEY  
MY COMMISSION EXPIRES JANUARY 18, 2015**

**General Corporate Resolution #5**

**PATENT MATTERS**

RESOLVED, that any of the following:

Kenneth C. Frazier-President and Chief Executive Officer  
Bruce N. Kuhlik-Executive Vice President and General Counsel  
Paul D. Matukaitis-Vice President and Assistant General Counsel  
Mark R. Daniel-Vice President and Group Managing Counsel  
William Krovin-Vice President and Group Managing Counsel  
Valerie J. Camara-Managing Counsel, Patents  
Gerard M. Devlin- Managing Counsel, Patents  
Catherine D. Fitch-Managing Counsel, Patents  
Sheldon O. Heber-Managing Counsel, Patents  
Hans Mestrom-Managing Counsel, Animal Health  
Edward W. Murray-Managing Counsel, IP Litigation  
David A. Muthard-Managing Counsel, Patents  
Anthony Rollins-Managing Counsel, European and Japanese Patents  
Immac Thampoe-Managing Counsel, Biologics  
John C. Todaro-Managing Counsel, Patents  
Charles M. Caruso-Counsel  
Peter Haeberli-Counsel, Sima Therapeutics, Inc.  
Marieke van Gent-Director, IP  
Cynthia A. Francisco-Director, Asset Management

are authorized to execute and to revoke on behalf of Merck & Co., Inc. and its affiliates (including subsidiaries) the following documents relating to patent matters:

Powers of attorney as fully in law as may be necessary and proper in connection with the acquisition, registration, maintenance and enforcement of patents and applications for patents, including powers of attorney relating to the prosecution or defense of patent rights before courts of law or other governmental tribunals, agencies or departments; affidavits and declarations; and any other documents which are necessary and proper for the acquisition, registration, maintenance, litigation and protection of patents.

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